

Work Order Bid (ID)

CAC Housing Energy Services



CAC Housing &
Energy Services

WORK ORDER INFORMATION

Work Order Name: WO/80008KN1816/1

Work Order Type: Weatherization

Audit Name: 80008KN1816-Audit

CLIENT INFORMATION

Client ID: 80008KN1816

AGENCY INFORMATION

Agency: Knoxville- Knox County Community Action Agency

Agency Phone: (865) 244-3080

Address: (PO Box 51650) 2247 Western Avenue

Fax: (865) 544-1647

Knoxville, TN 37950-1650

Email Address:

Agency Contact: Jackson, Rocky

Work Phone: (865) 244-3080

Cell Phone:

Email Address: rocky.jackson@cachousing.org

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

Single Family Dwelling

Contractor to follow 2006 International Residential Code as adopted by the City of Knoxville or Knox County as applicable.

City-House age is 2000

Measures

Measure 1 Lighting Retrofits

Components L1,L2,L3,L4,L5,L6,L7 Inspected

Comment

Lighting

Replace incandescent light bulb with compact fluorescent bulb equal to the incandescent. Inform customers about proper recycling of fluorescent bulbs by stores, municipal waste departments, or other recycling organizations. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. - 13 Watt	Each Lamp	3					
2	Labor	Compact Fl. - 13 Watt	Each Lamp	3					
3	Lighting	Compact Fl. - 13 Watt	Each Lamp	2					
4	Labor	Compact Fl. - 13 Watt	Each Lamp	2					
5	Lighting	Compact Fl. - 13 Watt	Each Lamp	2					
6	Labor	Compact Fl. - 13 Watt	Each Lamp	2					
7	Lighting	Compact Fl. - 13 Watt	Each Lamp	2					
8	Labor	Compact Fl. - 13 Watt	Each Lamp	2					
9	Lighting	Compact Fl. - 11 Watt Flood	Each Lamp	4					
10	Labor	Compact Fl. - 11 Watt Flood	Each Lamp	4					
11	Lighting	Compact Fl. - 11 Watt Flood	Each Lamp	6					
12	Labor	Compact Fl. - 11 Watt Flood	Each Lamp	6					
13	Lighting	Compact Fl. - 13 Watt	Each Lamp	1					
14	Labor	Compact Fl. - 13 Watt	Each Lamp	1					

Other Detail

Measure Sub Total: **Sub Total:**

Field Notes:**Measure 2 DWH Pipe Insulation****Components****Inspected**

Comment Includes labor cost. Insulate the first 6 feet of hot and cold water pipe from water heater. Use pipe wrap with a R-value of at least 2. Cover elbows, unions, and other fittings to the same thickness as pipe. All corners must be cut properly. Keep pipe insulation 6 inches away from single wall vent pipe and 1 inch away from Type B vent. Interior diameter of pipe sleeve must match exterior diameter of pipe. Fasten with zip ties, tape, or other approved method. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

Measure Sub Total: **Sub Total:**

Field Notes:

Measure 3 DWH Tank Insulation**Components****Inspected**☐

Comment Water heaters should be re-insulated to at least R-10 with an external insulation blanket unless water heater label gives specific instructions not to insulate or the water heater is already insulated. Keep insulation at least 2 inches away from gas valve and burner access panel. Don't install insulation below the burner access panel. Flammable Vapor Ignition Resistant models have combustion intake vents that must be left open. Follow the manufacturer's instructions when installing insulation blankets on (FVIR) water heaters so to not damage unit. Don't cover the pressure relief valve and discharge pipe with insulation. Don't insulate the tops of gas fired water heaters to avoid obstructing drat diverter. Mark the blanket to locate the thermostat and heating element access plates or cut the blanket at these locations. When you cut the blanket , cut the bottom and the sides but not the top. This creates a flap that remains closed in place. Don't cover the pressure relief valve and discharge line. Cover the top of the water heater with insulation if it doesn't obstruct the pressure relief valve. Install three zip tie straps 1st 6" from the top 2nd in the Middle, 3rd- 6" from Bottom).

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equipm	DHW Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Measure 4 Replace A/C**Components AC1****Inspected**

Comment Install 2 ton central Air Conditioner to connect to Coleman 80% natural gas system model # BGM07512B98971536.

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Includes labor cost. Must be installed by a licensed mechanical contractor. Must perform an ACCA Manual J and submit with invoice. Must be equal to Amana or Goodman 13 Seer . Size is approximately 2 ton. Final size will be determined by the Director of Housing. If size on ACCA Manual J is different from this write up, contact CAC before install for approval.

Contractor to provide client of all warranty information at inspection.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Cooling Equipmen	Central A/C -	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Central A/C -	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:						<input type="text"/>	Sub Total:	<input type="text"/>	<input type="text"/>

Field Notes:

Measure 5 CO Monitor is Needed**Components****Inspected**

Comment Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	CO monitor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:						<input type="text"/>	Sub Total:	<input type="text"/>	<input type="text"/>

Field Notes:

Measure 6 Fix Improper Venting (Clothes Dryer)**Components****Inspected**☐

Comment Dryer Vents installed with damper. Metal pipe installed without any fasteners protruding through pipe.

Must be vented to outside of home. No changes allowed. Refer to Attachment A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

Contractor to follow 2006 International Residential Code as adopted by the City of Knoxville or Knox County as applicable.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Dryer Vent w/ Metal Piping (upto 15' in length)	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:**Sub Total:****Field Notes:**

Measure 7 Fix Improper Venting of Bathroom Exhaust Fan qty 2

Components

Inspected

Comment Bath Vents installed to outside of home with appropriate roof fittings, sidewall fittings, or soffit fittings, Use rigid galvanized steel, stainless steel, or copper vent pipe for bath exhaust vent pipe. Insulate the vent pipe with R-8 to prevent condensation. Bathroom vent pipe must be securely fastened and sealed to prevent movement. Avoid using flexible plastic or aluminum duct because these restrict airflow. No changes allowed. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Bath Vent w/ Piping to Outside	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:						<input type="text"/>	Sub Total:	<input type="text"/>	

Field Notes:

Measure 8 Fix Ventilation Inadequate (Attic) (cut out for 2 existing in vinyl)**Components****Inspected**

Comment Home has existing vinyl gable vents. The builder didn't cut out siding they just installed the vents over the siding.. Cut out siding to correct size for vents and re-install existing vents.

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Gable Vent	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:**Sub Total:****Field Notes:**

Comment

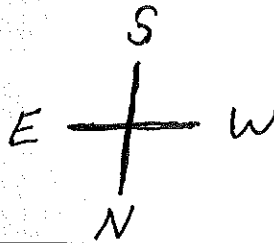
Bath Exhaust fan equal to Nutone Model # 769RFT. Must be energy star or Title 24 compliant. Must have weatherproof termination fitting, a Back draft damper installed at the fan housing or termination fitting have a efficacy of 2.8 and a low noise rating depending on the CFM output of the fan installed To include All electrical.
Refer to Attachment A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Bathroom exhaust fan	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Measure Sub Total:						<input type="text"/>	Sub Total:	<input type="text"/>	

Field Notes:

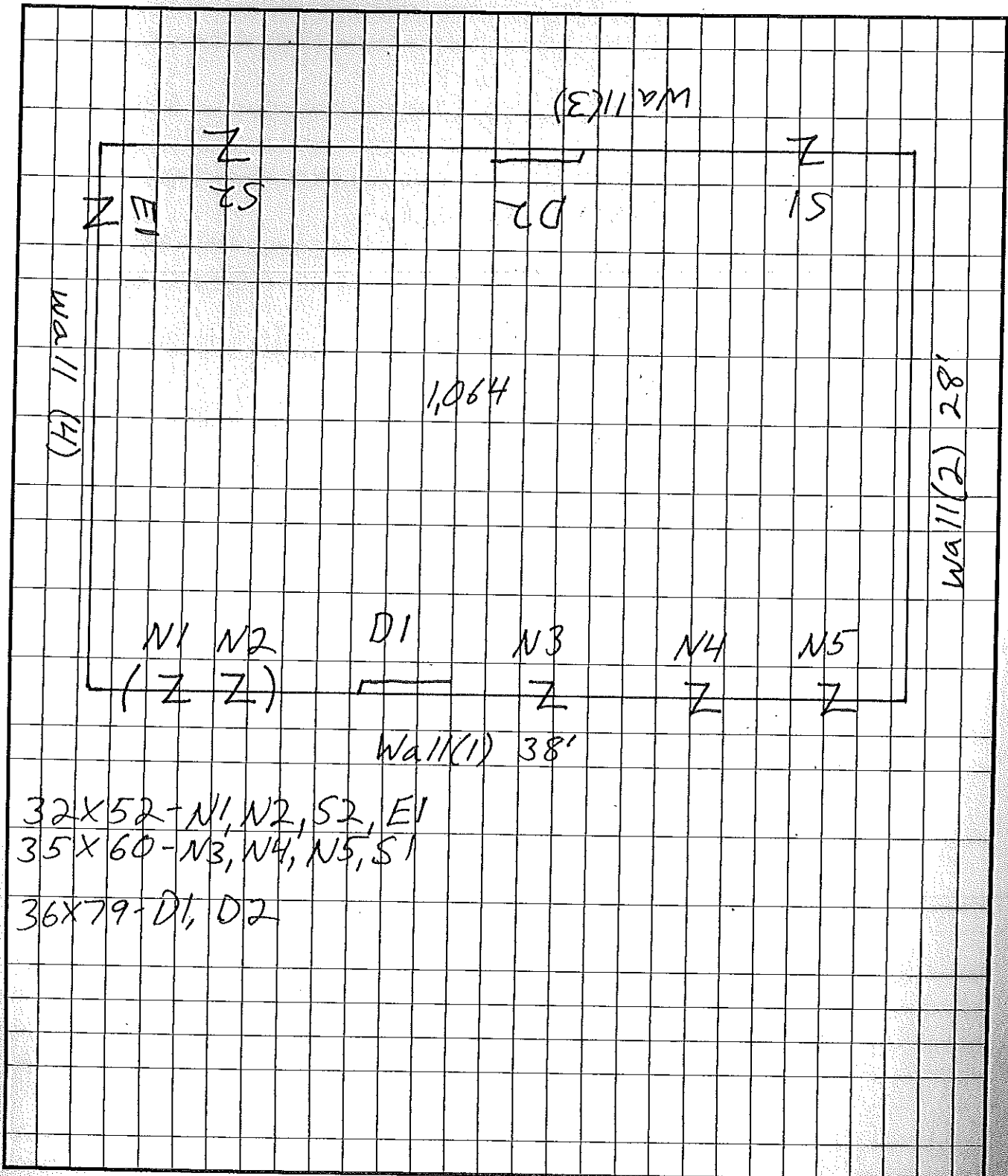
Work Order Grand Total:

Grand Total:



Site Diagram

1816



Client Name: _____
Client ID: _____
Alt. Client ID: _____

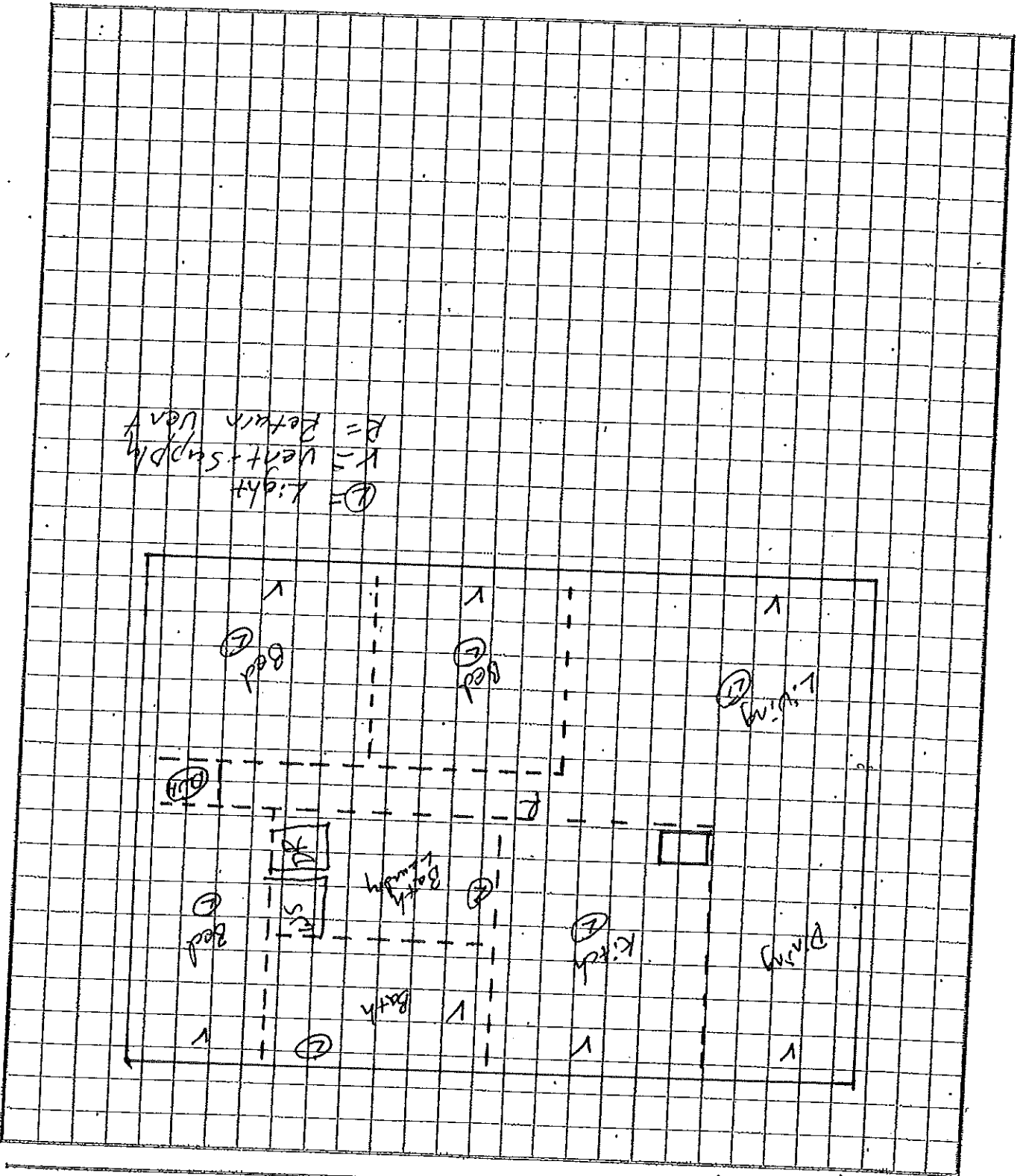
NEAT Data Collection Form
Form Run On: 6/29/2011

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Client Name:	
Client ID:	
Alt. Client ID:	

NEAT Data Collection Form
Form Run On: 11/23/2009

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Site Diagram

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